

## Graphical User Interface

150

### Application Specification 100

Categories	Please Select One or More
Word Processing	<input type="radio"/>
Palm-Top Organizer	<input type="radio"/>
Calendar Program	<input type="radio"/>
Web Browser	<input type="radio"/>
Communications Package	<input type="radio"/>
Voice Recognition	<input type="radio"/>
Spread Sheet	<input type="radio"/>

### Performance/Power Levels Specification 102

Categories	Please Select One
Maximum performance	<input type="radio"/>
Standard Performance -- High End	<input type="radio"/>
Standard Performance -- Low End	<input type="radio"/>
Maximum Battery Life	<input type="radio"/>

Fig. 1A

## Graphical User Interface

150

### Application Specification 100

Categories

Please Select  
One or More

Word Processing  
Palm-Top Organizer  
Calendar Program  
Web Browser  
Communications Package  
Voice Recognition  
Spread Sheet

☐  
☐  
☐  
☐  
☐  
☐  
☐

### Performance/Power Levels Specification 102

Categories

Please Adjust  
Slider

Maximum performance  
Standard Performance -- High End  
Standard Performance -- Low End  
Maximum Battery Life

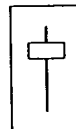


FIG. 1B

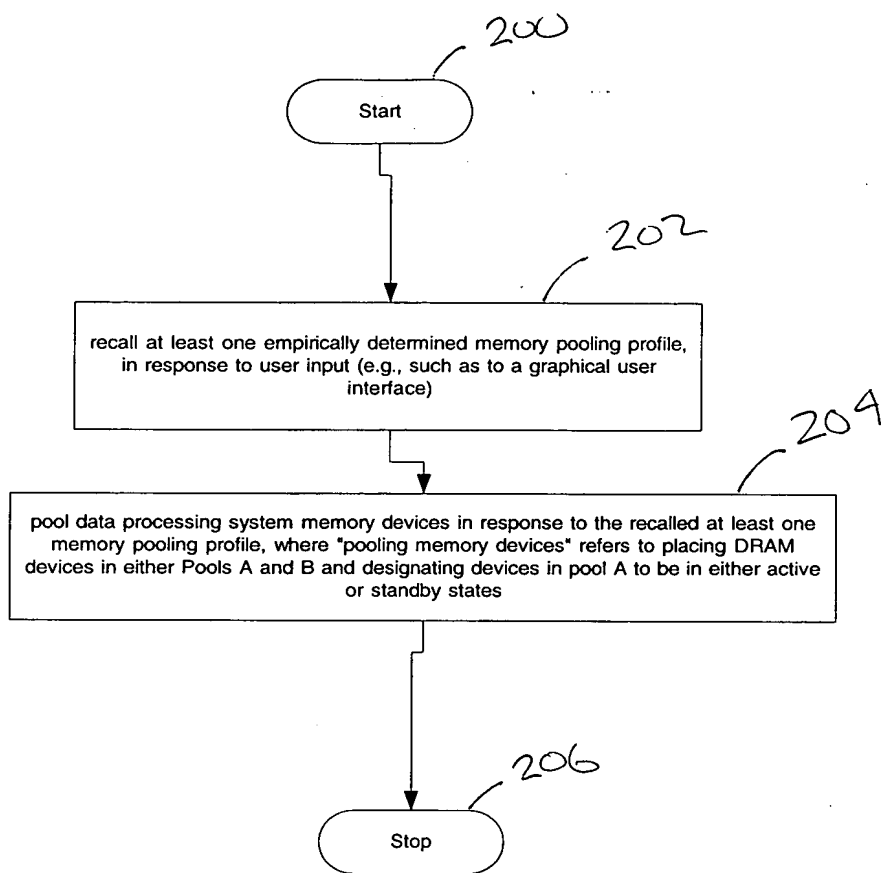


FIG. 2

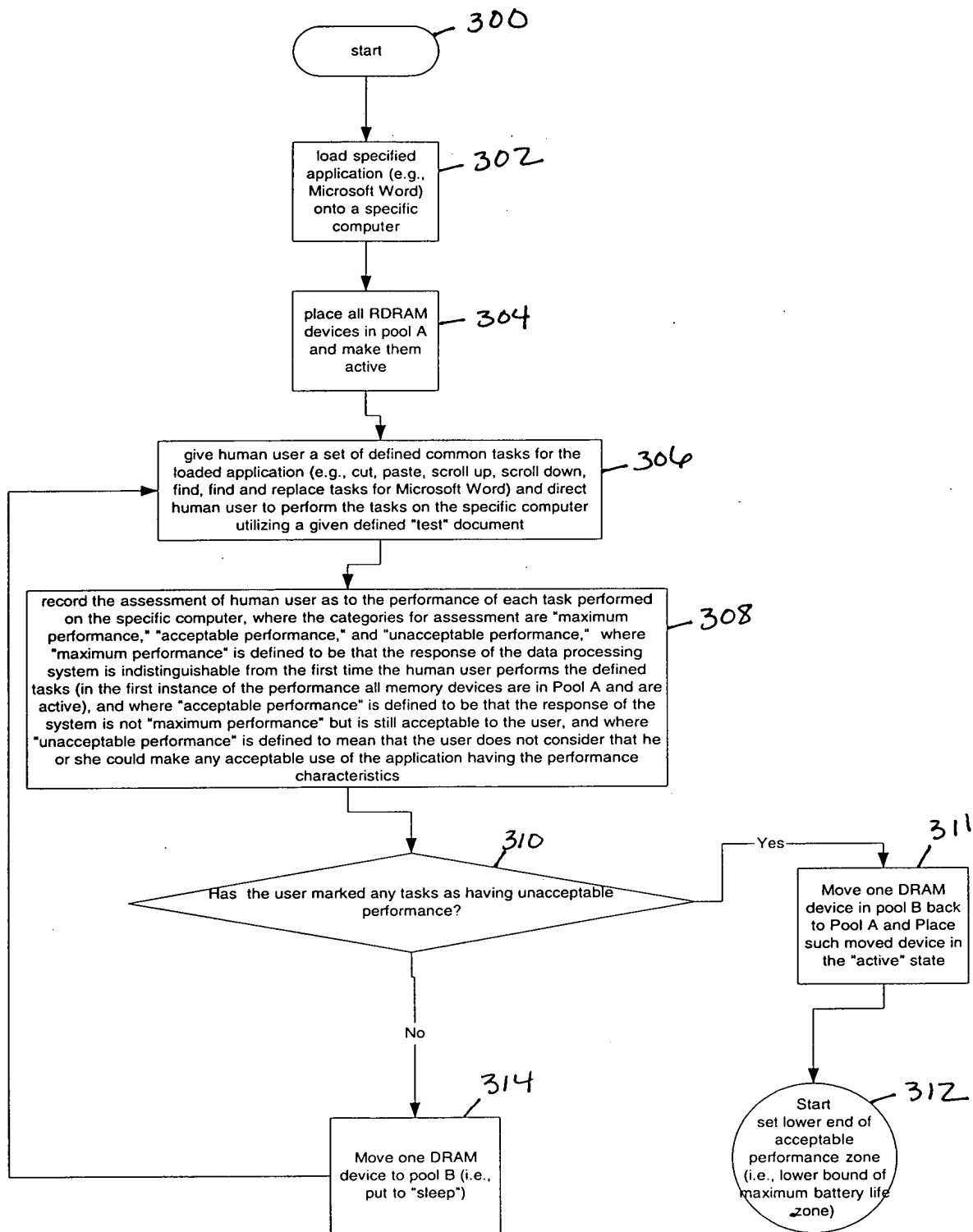


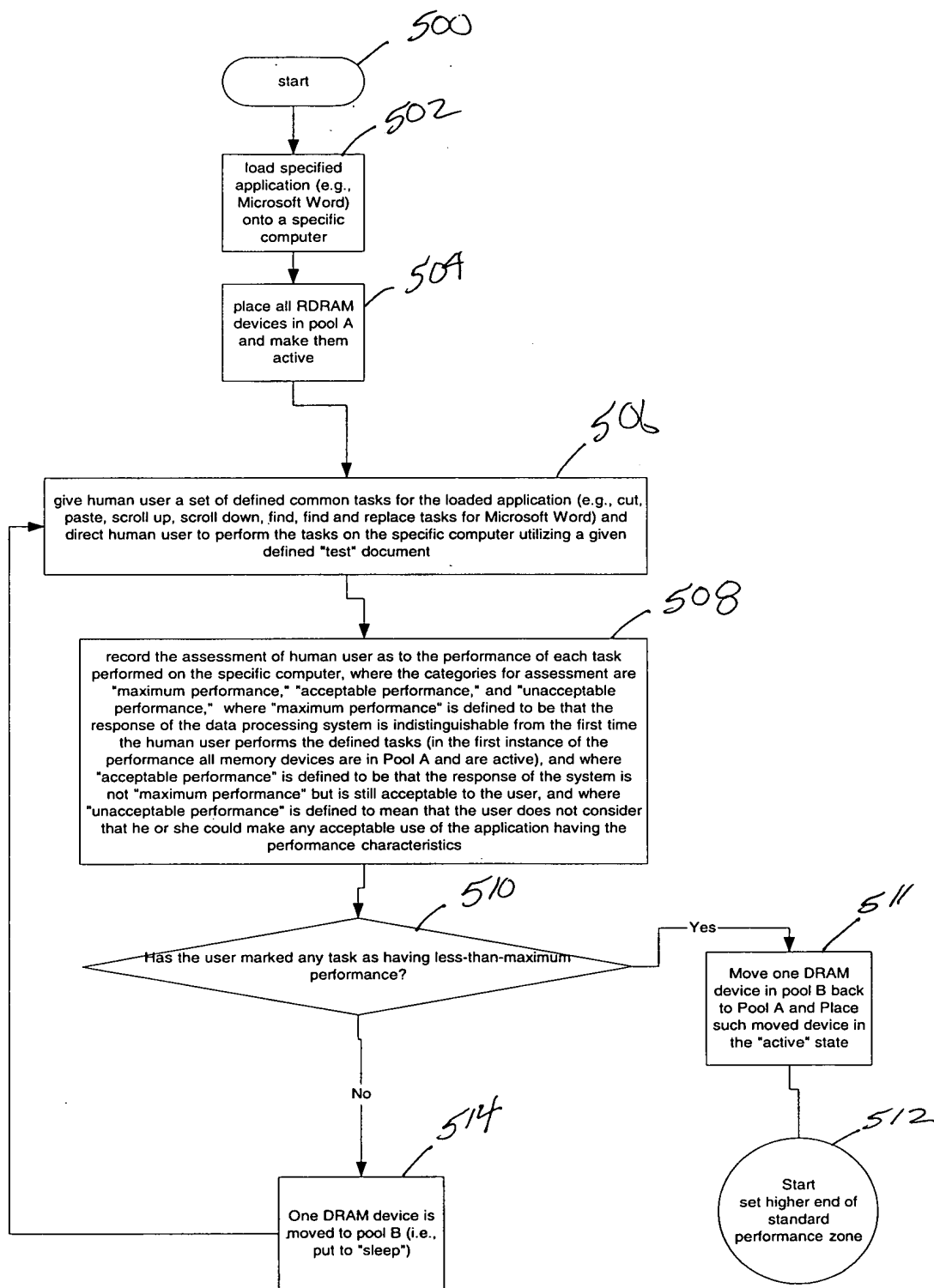
FIG. 3

```

graph TD
    312((Start  
set lower end of  
acceptable  
performance zone  
(i.e., lower bound of  
maximum battery life  
zone))) --> 400[set a "number of pool A devices in 'active' state" counter equal to the number of devices in pool A,  
where such number is the result of the operations described in Figure 3]
    400 --> 402[set a "number of pool A devices in 'standby' state" counter equal to zero]
    402 --> 403[set one currently "active" pool A  
RDRAM device to "standby"]
    403 --> 404[Subtract one from "number of pool A devices in 'active' state counter"]
    404 --> 405[Add one to "number of pool A devices in 'standby' state" counter"]
    405 --> 406[human user directed to reperform the given set  
of defined common tasks for the loaded  
application (e.g., cut, paste, scroll up, scroll  
down, find, find and replace tasks for Microsoft  
Word) on the specific computer]
    406 --> 408[record the assessment of human user as to the performance of each task performed on the specific computer, where the  
categories for assessment are "maximum performance," "acceptable performance," and "unacceptable performance," where  
"maximum performance" is defined to be that the response of the data processing system is indistinguishable from the first  
time the human user performs the defined tasks (in the first instance of the performance all memory devices are in Pool A  
and are active), and where "acceptable performance" is defined to be that the response of the system is not "maximum  
performance" but is still acceptable to the user, and where "unacceptable performance" is defined to mean that the user does  
not consider that he or she could make any acceptable use of the application having the performance characteristics]
    408 --> 410{Has the user marked any task as having unacceptable  
performance?}
    410 -- No --> 403
    410 -- Yes --> 412[for the application program under test, the process defines the lower bounds of  
"standard performance" to be a system having a number of pool A active devices  
equal to the current value within the "number of pool A devices in 'active' state"  
counter + 1 (the number 1 is added since the current number of active devices gives  
unacceptable performance, and thus one of the standby devices needs to be  
reactivated to return to acceptable performance), and a number of pool A devices in  
an standby state equal to the current value within the "number of pool A devices in  
'standby' state" counter - 1 (the number 1 is subtracted since the current number of  
active devices gives unacceptable performance, and thus one of the standby devices  
needs to be reactivated to return to acceptable performance)]
    412 --> 414((Stop  
set lower bound of  
acceptable  
performance zone  
(i.e., lower bound of  
maximum battery life  
zone)))

```

F16.4

[illegible]

F 16.5

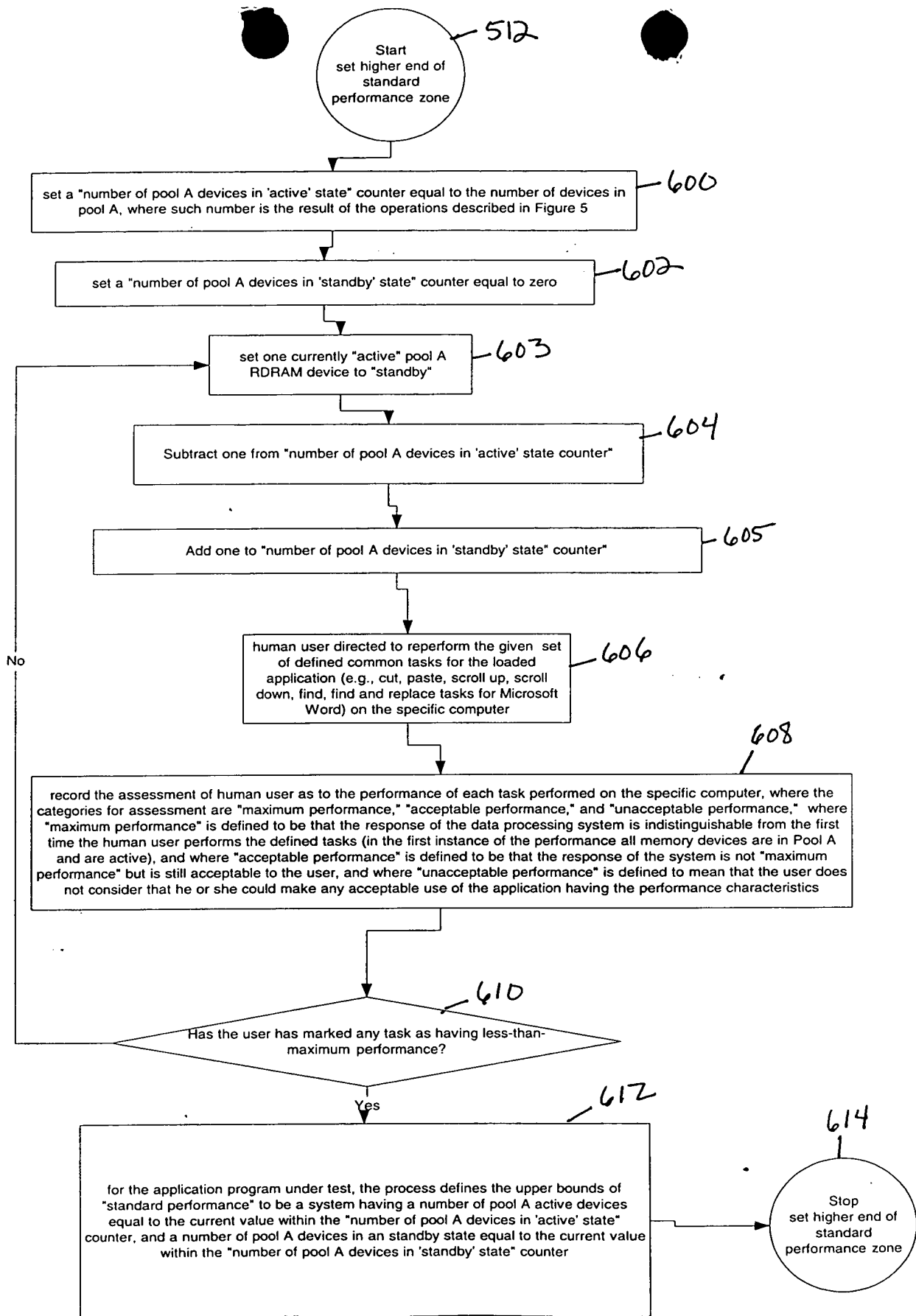


FIG. 6

03470505050

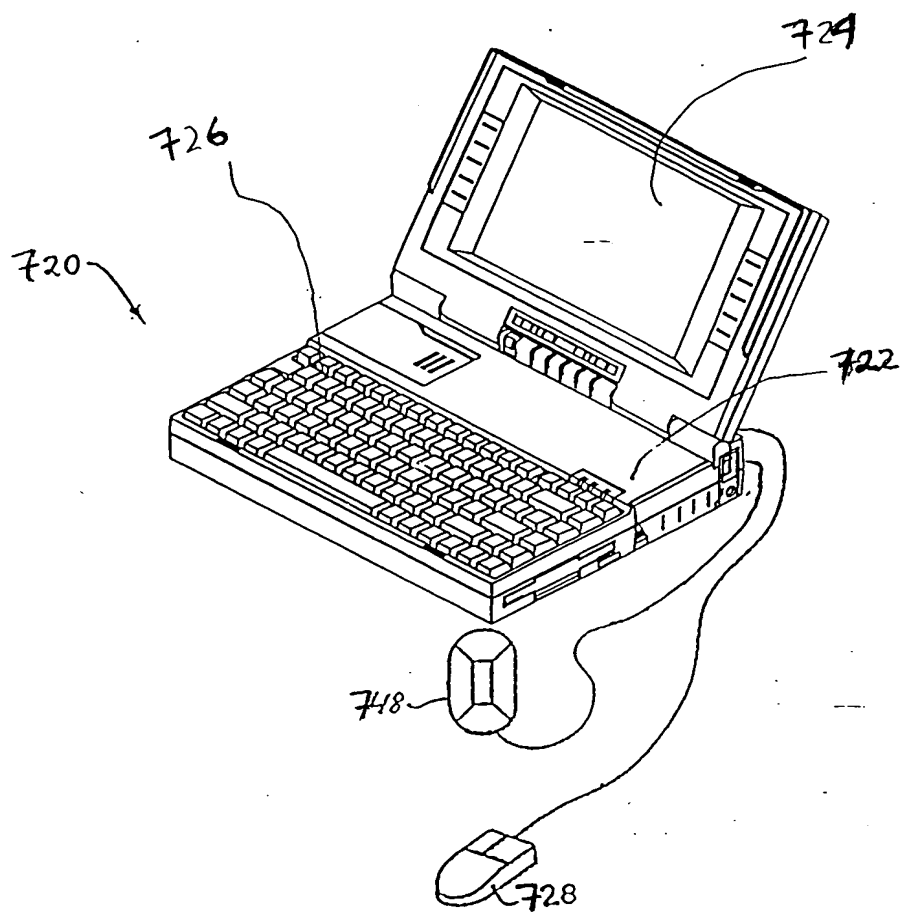


FIG 7



